

Outlook

THE UNIVERSITY OF MARYLAND FACULTY AND STAFF WEEKLY NEWSPAPER
Volume 14 • Number 25 • April 11, 2000

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Chance Encounter Tells Tail of One Comet, Promises New Way to Find Many More

Scientists reviewing solar wind data from the spacecraft Ulysses have stumbled upon evidence that comet tails stretch for hundreds of millions of miles longer than previously thought. This chance finding suggests that a spacecraft designed to search for the ions marking a comet's trail could help find answers to questions such as: Are there any unseen comets hurtling through space? Are any of these invisible comets on a collision course with the Earth? What can these comets tell us about how our solar system was formed?

In the April 6 issue of the

ing things about this discovery, including the huge amount of luck involved and the fact that it was made independently and almost simultaneously by our team and by the magnetometer team," says physicist George Gloeckler, chief inventor of the Ulysses solar wind ion composition spectrometer. Gloeckler and Johannes Geiss, of the International Space Science Institute in Switzerland, are the principal investigators for the instrument.

Gloeckler says the spacecraft's crossing of a comet's tail wasn't realized until 1999, three years after the event occurred, because no one thought there was any possibility a comet tail could be present in that location. "Our detection of ions characteristic of a comet's tail was like someone finding a needle in a haystack when they didn't even know a needle was there."

"However, the most amazing and important thing about this discovery is that it points to a new way of detecting and studying cometary ions, and, in the process opens up a whole new area of science," Gloeckler says.

According to Gloeckler, the recognition that comets probably have tails that stretch far out across regions of the solar system means the process of sampling a comet's ions can be much easier and cheaper than previously thought possible. Until this discovery, scientists had thought comet tails and their ions dissipated rather quickly, and thus could be detected only by expensive missions designed to rendezvous with and make a close flyby of a known comet.

"My colleagues and I now believe that with a much

"There are several amazing things about this discovery, including the huge amount of luck involved and the fact that it was made independently and almost simultaneously by our team and by the magnetometer team."

— Physicist George Gloeckler

British journal *Nature*, two Ulysses science teams report that on May 1, 1996, the spacecraft—which studies solar winds at the poles of the Sun—passed through the tail of comet Hyakutake. At that time the comet was more than 300 million miles away from Ulysses, a distance greater than three times that of the Earth from the Sun. This means Hyakutake's tail is far longer than scientists had previously thought a comet's tail could be. And it suggests the tails of other comets also stretch far out in space, marking the paths of these giant balls of dirty ice as they travel past the sun.

"There are several amaz-

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Come Explore Our World at Maryland Day 2000



Where can you pet an iguana, make slime, visit an insect petting zoo, create a web page, rock climb, get tips on golf swings, watch a hurricane, enjoy a wide variety of live music and dance performance or play some games, like the one pictured above, in the fountains on McKeldin Mall? At Maryland Day 2000 taking place on campus April 29. Maryland Day is a community festival with something for everyone. The goal of the event is to emphasize learning, exploring and fun while highlighting the benefits of having one of the nation's leading research universities nearby. Festivities begin at 10 a.m. and last until 5 p.m.

Bring your family and friends to enjoy all the festivities. For more information, call toll free at 877-UMTERPS or log on to the Maryland Day 2000 Web site at www.maryland.edu.

Assembly Approves \$31 Million Operating Budget Increase

The two houses of the Maryland General Assembly last week agreed on a \$31 million operating budget increase for the University of Maryland for Fiscal Year 2001, as well as more than \$1 million in supplemental funds for three specific projects.

In addition, the university will get \$102 million in capital funding to support construction of a new chemistry teaching wing, a new building for the Clark School of Engineering, the Comcast Center, an addition to Van Munching Hall, renovations to Key and Taliaferro Buildings and the Hornbake and McKeldin Libraries.

"This has been by all measures a phenomenally good year for the campus, but also for higher education in general," says President Dan Mote. "We are grateful to the governor and the legislature for their support. We feel very positive about the whole process."

A substantial amount of the 10 percent overall operating budget increase will fund salary

adjustments for staff and faculty: four percent for cost of living adjustments and 2.5 percent for a merit increase pool. In addition, the state will increase its contribution to optional retirement plans for staff and faculty. The pay increases will be effective in November.

New funding was also obtained for the Demography of Inequality Project to be spearheaded by the College of Behavioral and Social Sciences and Large-Scale Computations in the College of Computer, Mathematical and Physical Sciences.

The supplemental budget adds another \$200,000 for the Center for Smart Growth in the College of Architecture and the School of Public Affairs; \$400,000 for a Center for Energetics in the Clark School of Engineering, and \$500,000 for the Small Business Development Center, a network of support offices offering advice to small businesses across the state.





"The Supreme Court deserves appreciation from those who expect the college experience to be active and challenging. Colleges and universities have long collected common taxes, called fees, from students to support disparate activities, interests and groups. The multiple messages, lifestyles, causes and conflicts that emanate from such groups are for most campuses arguably the most stimulating fuel of intellectual and social intercourse among students (as well as the source of much administrative discomfort)." —William Thomas, vice president for student affairs, writing in a Letter to the Editors column of the Baltimore Sun following the Supreme Court decision that said student fees don't violate free speech rights. (April 3)

"One of the things I think is hard for people to understand is there is no hard-and-fast rule and formula." —Linda Clement, commenting in the Washington Post on the admissions process in an article dealing with diversity. Clement refers to parents and students looking for exact matching facts on comparing why one student is admitted, while another with similar credentials is denied admission. (April 2)

"We're playing with the fundamental (principles) of the non-proliferation treaty." —John Steinbruner, director of the Center for International and Security Studies at Maryland, commenting on the danger to global nuclear peace posed by a new U.S. missile defense system. Such a system would risk the 1972 Anti-Ballistic Missile pact between the U.S. and Russia. (Thomson Newspapers, Canada, April 1)

"In the end, the only way to win the drug war will be to change the behavior of Americans, not of farmers of the third world." —Peter Reuter, professor in the School of Public Affairs, writing in an opinion/editorial piece in the New York Times (March 31). In the article Reuter appraised the U.S. move to spend billions of dollars trying to shore up Colombia's military, and persuading farmers to grow pineapples instead of coca.

"She likes what the Democrats are saying about Social Security and Medicare, but she's sick of the pond scum coating the Clinton administration. Still, she can't pay too much attention to the upcoming election because she's careening around like a pinball between work, home, errands and car pool. Meet the whipsawed woman who will decide who's elected president in November." —Robin Gerber, senior fellow in the James MacGregor Burns Academy of Leadership, describing the coming election's version of 1996's soccer mom. (USA Today, March 30)

"Many people choose scientific beliefs the same way they choose to be Methodists or Democrats or Chicago Cubs fans," Park writes. "They judge science by how well it agrees with the way they want the world to be." The solution, he insists, lies not in imparting specific knowledge of science to the public but in encouraging a more scientific world view, which he describes as "an understanding that we live in an orderly universe governed by natural laws that cannot be circumvented by magic or miracles." —A Salon.com review of physics professor Robert Park's coming book, "Voodoo Science: The Road from Foolishness to Fraud."

Experts are Game to Discuss Pathological Gambling among College-Age Students

With the predominance of state-sanctioned gambling such as lottery tickets, casinos, online betting and even day trading, experts say students should be informed about the potential consequences that could result from excessive risk taking.

In response to the problem, the university is sponsoring a seminar on student gambling Monday, April 17 in Marie Mount Hall, from 1 to 4 p.m. The discussion will focus on the extent, nature and consequences of pathological gambling among college-age students.

"We organized this panel to bring in some of the leading experts from around the country and to review what they know about the extent and nature of college gambling, some of the correlates of it, what prevention programs might be useful for us to consider and what the gambling industry is doing to address this issue," says Charles Wellford, organizer and host of the event.

Wellford participated in the creation of a 1999 report, "Pathological Gambling: A Critical Review," organized by the National Academy of Sciences and funded by the National Commission on Gambling. What most concerned Wellford was the

extent of pathological gambling among college students.

He forwarded the report to athletic director Debbie Yow and vice president of student affairs William Thomas, who agreed with Wellford that the university should take a "leadership role" in raising awareness about student gambling.

"We need to talk about it and see what kinds of more effective education would be helpful in this kind of an environment to be sure that students know the risks and downsides of gambling in sufficient ways that they make good judgments," Thomas says.

The seminar will feature several speakers, including Bill Saum from the NCAA; Washington University School of Medicine psychiatrist Linda Cottler; Roger Svendsen from the Gambling Problems Research Center at the Minnesota Institute of Public Health; Rachel Volberg of Gemini Research, Ltd. and Judy Patterson from the American Gaming Association.

The seminar is free and open to the campus community. For further information, contact Mary West at 405-4705.

—DAVID ABRAMS

Academy of Leadership Awards Grants to Four Leading Scholars

The James MacGregor Burns Academy of Leadership is bringing four scholars— from New York, Pennsylvania, Ireland, and India— to the University of Maryland for varying amounts of time over the next year to do advanced work in the field of leadership studies.

The grants, to cover time in residence, will come from the academy's Center for the Advanced Study of Leadership. This is the second year the center, with help from the W.K. Kellogg Foundation, has provided research grants.

The scholars and their grant projects are:

- Assessing the New Leadership Process: How Do We Start?, Paul Arsenault, School of Business & Public Affairs, West Chester University, Pennsylvania

- From Protagonist to Pragmatist: Political Leadership in Divided Societies, Cathy Gormley-Heenan, Initiative on Conflict Resolution & Ethnicity, University of Ulster and United Nations University, Londonderry, Northern Ireland

- Cold War Leadership in the Reagan and Bush Administrations, Meena Bose, Department of Political Science, Hofstra University, New York, and U.S. Military Academy, West Point

- Women and Politics: A Case Study of Women Legislators in Delhi, India, Vijay Pandit, Maitreyi College, University of Delhi, India.

This year's scholars were selected by a committee of three: Barbara Kellerman, director of the Center for the Advanced Study of Leadership; Larry Spears, CEO of the Greenleaf Center for Servant Leadership; and Douglas Hicks, professor of leadership studies at the University of Richmond.

"We've given these awards to researchers and reflective practitioners of demonstrated accomplishment so that they may engage in scholarly work of exceptional promise," says Kellerman. "We expect their work to be of both theoretical and practical value to other leadership scholars and to leaders in many fields."



Shuttle-UM PSA Initiative

The marketing department of the Shuttle-UM Transit System is currently accepting public service announcements under its Shuttle-UM Public Service Announcements Initiative (SUPSAI). Created during the fall of 1998, the program allows all officially recognized campus departments and organizations to post flyers and announcements on Shuttle-UM buses free of charge.

During the 1999 academic year, 31 campus departments and organizations participated in this program. More than 6,000 people ride Shuttle-UM buses every day, making this an excellent method for your department or organization to communicate with the university community efficiently and effectively.

Information and applications are available by contacting Thomas Noyes, marketing coordinator at 314-7270 or via email at sum_marketing@accmail.umd.edu. Applicants must comply with all university policies regarding discrimination and inclusive language in their flyers and announcements.

April and May slots are filling fast, so apply now.

Correction

The March 28 issue of *Outlook* featured an article regarding the engaged campus. The URL listed for the Community Service Programs office, while accurate, was rather long. The preferred (and simpler) URL is: www.umd.edu/CSP.

Outlook

Outlook is the weekly faculty-staff newspaper serving the University of Maryland campus community. **Brodie Remington**, Vice President for University Relations; **Teresa Flannery**, Executive Director of University Communications and Director of Marketing; **George Cathcart**, Executive Editor; **Jennifer Hawes**, Editor; **Londa Scott Forté**, Assistant Editor; **David Abrams**, Graduate Assistant. Letters to the editor, story suggestions and campus information are welcome. Please submit all material two weeks before the Tuesday of publication. Send material to Editor, Outlook, 2101 Turner Hall, College Park, MD 20742. Telephone (301) 405-4629; e-mail outlook@accmail.umd.edu; fax (301) 314-9344. Outlook can be found online at www.inform.umd.edu/outlook/

Addiction Expert Warns Web Surfers: Beware Internet Wipeout

Internet addiction is just like any other addiction, and college students should beware getting "caught in the 'net,'" says Jonathan Kandell.

Talking before a brown bag lunch group in Shoemaker Hall last month, Kandell addressed the lures and symptoms of the once unheard of problem. Although most people use the Internet responsibly for work and school, he says some can get caught up in the alternate reality to the detriment of their psychological health.

Kandell describes Internet addiction using many of the same terms normally associated with drug and alcohol abuse, such as denial, withdrawal and tolerance.

"I define it basically as [some kind of] psychological dependence on the Internet," he says. "I don't break it down so much into what somebody does—someone could spend eight hours sending e-mails back and forth or compulsively checking their e-mail. They could be browsing Web sites for hours and hours. They could be overly involved in chat rooms or 'mud' games or other interactive activities."

"But if this is the way people are coping with life and it's beginning to interfere with what's happening in their life in one way or another, then I think it's a problem."

Kandell listed several symptoms of Internet addiction, including preoccupation with online activity to the exclusion of interaction with friends and family; unpleasant feelings like loneliness and depression subsiding while online; negative impacts on school or work performance; problems in marital or other interpersonal relationships; difficulty forming new offline rela-

tionships; developing a tolerance, where you need more and more online activity to achieve desirable feelings; and denial, where you rationalize not doing other things while online.

Research shows there is a physical addiction in addition to the mental lures of the Internet, which include the presence of fantasy world and the ability to become part of a group online, according to Kandell.



"Process-type addictions like compulsive gambling and compulsive exercising will actually produce neurochemicals in the brain that mimic some drug reactions," he says. "So there is some physically addictive quality to it."

A woman recently came in for a consultation with Kandell. She related to him how she spent 12 hours a day online for an entire week playing a first-person shooting game. He says she never realized she was trying to live out a dream fantasy she had, where the world was destroyed leaving her as its leader. The woman told him about a reoccurring dream she had that resembled the game.

Many college students have the same need to identify with a group, says Kandell, noting the particular threat of Internet addiction among college students. "During the college years, people are struggling. They're trying to figure out who they are, and these are some very painful things. And they are going to find some way to deal with that pain," he says. "The Internet is just another way of doing that."

One simple suggestion Kandell offers for people who may be spending too much time online is to take a break from it. Set an alarm clock to limit the time you spend online at a given moment.

The Counseling Center will be offering several summer programs regarding Internet addiction, and Kandell plans to start a Net support group that will meet on Fridays. Contact the Counseling Center at 314-7651 for more information.

—DAVID ABRAMS

Five Students Win Prestigious National Scholarships

All four of the students nominated by the university this year for the Barry Goldwater Scholarship have been awarded the prestigious honor.

Three Maryland juniors and one sophomore competed nationally against 1200 applicants nominated by 500 postsecondary institutions. Those four students have joined a select crowd of the top young minds in America. In addition, a recent Maryland graduate is one of only six students in the nation to be awarded the Jane Addams-Andrew Carnegie Fellowship to study philanthropy.

This is the first time all the students nominated for the Goldwater Scholarship by Maryland have won. The recipients include: sophomore Jason Ernst, and juniors Brian Lee, Christine Missell and Ankit Patel. Carmen Patrick, a December 1999 graduate, is the Carnegie Fellow.

"We have long been proud of our students' abilities. We are thrilled that the high caliber of these students has been recognized on a national level," said Kathleen Burke, associate dean for undergraduate studies. "We are committed to fostering an atmosphere that encourages academic exploration among our students, and these awards demonstrate that commitment on all levels at this university."

Ernst, a Silver Spring resident, is a double major in computer science and mathematics. Lee, a resident of Ellicott City, is pursuing a degree in microbiology. He has conducted research at Johns Hopkins University and the National Institutes of Health.

Missell, a geology major, is interested in vertebrate paleontology. The Rochester, New York, resident hopes to conduct research on fossils, especially those of dinosaurs. Patel, of Germantown, studies the elec-

tronic applications of polymeric materials. The chemical engineering major has engaged in undergraduate research at Walter Reed Army Institute of Research. All four students are participants in the University Honors program.

A resident of Peachtree City, Georgia, Patrick gradu-

"We have long been proud of our students' abilities. We are thrilled that the high caliber of these students has been recognized on a national level."

—Kathleen Burke, associate dean for undergraduate studies.

ated in December with a degree in biological resources engineering. She, too, was an active member of the University Honors program.

The Goldwater Scholarship was designed to foster and encourage outstanding students to pursue careers in the fields of mathematics, the natural sciences and engineering. It is the premier undergraduate award of its type in these fields. The scholars were selected on the basis of academic merit from a field of mathematics, science and engineering students who were nominated by the faculties of colleges and universities nationwide. The one- and two-year scholarships will cover the cost of tuition, fees, books and room and board up to a maximum of \$7,500 per year.

The Jane Addams-Andrew Carnegie Fellowship, based out of Indiana University, is a ten-month program that advances and renews interest in public service, providing recent graduates the opportunity to study the philanthropic tradition while engaging in the practice of philanthropy in local communities. The fellows are awarded a \$15,000 stipend, and receive an introduction to the theory and practice of philanthropic tradition through academic seminars, individual work with faculty, an outside internship, and participation in various activities of the Center on Philanthropy in Indianapolis.

The university recently established a National Scholarship Office to assist in the cultivation of top-tier scholarships and fellowships for students. Its interim director, Camille Stillwell, hopes this year's success presages a winning future for Maryland. "We've got all the right ingredients," notes Stillwell. "We have an outstanding student body, dedicated faculty, world-class programs, and now an office to assist all groups in establishing a tradition of consistent winners."

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Your Guide to University Events
April 11 - 20

April 11

12:30 p.m. MITH Lecture: "Interconnections: Teaching, Research and Information Technology," Katie King, associate professor of women's studies. 2M100E McKeldin Library.

4 p.m. Physics Lecture: "Solid State Quantum Computing," David DiVincenzo, IBM. 1410 Physics Bldg.

6-9 p.m. Workshop: "Introduction to Microsoft PowerPoint," provides a basic introduction to the elements involved in designing effective and professional looking slide, overhead, and computer-based presentations. Included is adding clip art, creating color schemes, organizing, text, etc. Registration required. 4404 Computer & Space Sciences Bldg. 5-2938, cwpost@umd5.umd.edu or www.inform.umd.edu/PT.*

April 12

11 a.m. Women's Studies Lecture: "Empowered Lives, Engendered History: African American Feminist Thought in the 20th Century," Elizabeth Clark-Lewis, Howard University. Maryland Room, Marie Mount Hall. 5-6877.

2 p.m. Women's Studies Lecture: Viewing of the film "Freedombags." Nonprint Media Room R, Hornbake Library. 5-6877.

3 p.m. Department of French and Italian Lecture Series: "France and Europe: 1945 to the 21st Century," Stanley Hoffmann, Center for European Studies, Harvard University. St. Mary's Hall. 5-4024.

7:30 p.m. 4th Annual Jazz Invitational Showcase. Colony Ballroom, Stamp Student Union. 5-7847.*

April 13

4 p.m. MITH Lecture: "The Myth of Cybernatural: Discourse, Diversity and Design in the Blackburg Electronic Village and the Seattle Community Network," David Silver, American studies department. 1109 Van Munching Hall.

8-10 p.m. University Theatre "The Good Person of Setzuan," a play by Bertolt Brecht. Tawes Bldg. 5-2201 or www.inform.umd.edu/THET/plays.*

April 14

8-10 p.m. University Theatre "The Good Person of Setzuan," a play by Bertolt Brecht. Tawes Bldg. 5-2201 or www.inform.umd.edu/THET/plays.*

April 15

7:30 p.m. School of Music: Opera Scenes. Ulrich Recital Hall, Tawes Bldg. 5-7847.

8-10 p.m. University Theatre "The Good Person of Setzuan," a play by Bertolt Brecht. Tawes Bldg. 5-2201 or www.inform.umd.edu/THET/plays.*

April 17

3 p.m. Department of French and Italian Lecture Series: "A New Regime of Justification: The Project-oriented Cité," Luc Boltanski, Etudes en Sciences Sociales, Paris. St. Mary's Hall. 5-4024.

April 18

Noon. Research & Development Lecture: "The Psychosocial Development of Lesbian College Students: An Exploration of Mature Interpersonal Relationships, Vocational Purpose and Sexual Identity," Merideth Tomlinson, psychology doctoral intern. 0114 Counseling Center.

4 p.m. Physics Lecture: "The World's Smallest Rotary Motor or How Proteins Convert Chemical Energy into Mechanical Work," George Oster, University of California, Berkeley. 1410 Physics Bldg.

6-9 p.m. Workshop: "Intermediate Adobe Photoshop," uses graphic manipulation utilizing paths and channels. Web site design issues are explored cumulating in a web site project. Registration required. 4404 Computer & Space Sciences Bldg. 5-2938, cwpost@umd5.umd.edu or www.inform.umd.edu/PT.*

7:30 p.m. School of Music: Opera Scenes. Ulrich Recital Hall, Tawes Bldg. 5-7847.

8-10 p.m. Dance Department: Maryland Dance Ensemble Presentation, featuring a new work which was created by Mark Haim in a January residency: Dorothy Madden Theater. 5-7847.*

April 19

6-9 p.m. Workshop: "Intermediate HTML," introduces more features of HTML. Concepts covered include: enhanced tag attributes, tables, internal document links, custom backgrounds, and the use of text colors. Some current tags in the new HTML standards will also be discussed. Registration required. 4404 Computer & Space Sciences Bldg. 5-2938, cwpost@umd5.umd.edu or www.inform.umd.edu/PT.*

8 p.m. Music: Elizabeth Schulze, music director of the Maryland Symphony. Tawes Theatre. 5-7847.

Piano Virtuoso Andre Watts To Perform Works by Mozart, Schubert, Chopin

One of today's most sought after pianists, the legendary Andre Watts returns to the stage Monday, April 24th at 8 p.m. in Tawes Theatre. His program will include: Mozart's *Rondo in D Major*, K 48 and *Rondo in A minor*, K 511; Schubert's *Sonata in A minor*, op. 143 and "Wanderer" *Fantasia in C*, op. 15; and Chopin's *Nocturne in C-sharp minor*, op. 27, no. 1 and *Sonata in B-flat minor*, op. 35.

Watts has been commended by critics worldwide for his compelling technique, spontaneity and exquisite insight. "The pianist possesses 10 of the most dexterous digits ever to command a keyboard," the *Seattle Times* has written. "No technical challenge is too great."

Watts first burst upon the music world at 16, when Leonard Bernstein chose him to make his debut with the New York Philharmonic on CBS-TV. More than 30 years later, he remains one of the most celebrated and beloved superstars.

Known to millions of fans from his television appearances, Watts has been a frequent guest on PBS's "Live from Lincoln Center" series. His PBS Sunday afternoon telecast in 1976 marked the first full-length piano recital in the history of television. His 1985 "Live from Lincoln Center" performance was the first full-length recital to be aired nationally in prime time. Other television highlights include his 25th anniversary concert from Lincoln Center with the New York Philharmonic and Zubin Mehta, an internationally telecast United Nations Day performance with Eugene Ormandy and the Philadelphia Orchestra, and PBS telecasts with the Boston Symphony and Seiji Ozawa.

An active recording artist, Watts recently released both Liszt piano concertos and MacDowell's *Concerto No. 2* with the Dallas Symphony, led by Andrew Litton, on the Telarc label. Other highly praised recordings include Tchaikovsky's *Concerto No. 1* and Saint-Saens' *Concerto No. 2* with the Atlanta Symphony (Telarc), The Chopin Recital and The Schubert Recital (Angel/EMI). Watts is also included in the recently released Philips series, Great Pianists of the 20th Century.

Watts' 1999 performance season included annual summer appearances at the Ravinia,



Andre Watts

Saratoga and Tanglewood Festivals. In September 1999, he opened the seasons of the Philadelphia Orchestra, the National Symphony and the Saint Louis Symphony Orchestra. Watts also made concerto appearances with the Los Angeles Philharmonic and the Houston, Detroit and Atlanta symphonies. In June he will return to the Far East for a concert in Japan with the Tokyo Symphony Orchestra and then to Hong Kong to play all five Beethoven concerti with the Hong Kong Philharmonic.

A much-honored artist, Watts has played before royalty and heads of government in nations all over the world. In 1988, he received the Avery Fisher Prize. At 26 he was the youngest person ever to receive an honorary doctorate from Yale University.

Dan DeVany, program director of WETA-FM, will interview Watts at 7 p.m. on April 24th. Admission to this half-hour interview is free with the purchase of a ticket to the performance.

Tickets are \$15-25 (student and senior discounts available) and can be purchased by calling the Tawes Box Office at 405-7847.

April 20

4:30 p.m. Workshop: "Intermediate Microsoft Excel," concepts covered include creating a visual impact with 2D and 3D charts, grouping sheets and manipulating data within them, customizing sheet labels, naming blocks, customization options, and macros. Registration required. 4404 Computer & Space Sciences Bldg. 5-2938, cwpost@umd5.umd.edu or www.inform.umd.edu/PT.*

Calendar Guide

Calendar phone numbers listed as 4-xxxx or 5-xxxx stand for the prefix 314- or 405. Events are free and open to the public unless noted by an asterisk (*). Calendar information for *Outlook* is compiled from a combination of inform's master calendar and submissions to the *Outlook* office. To reach the calendar editor, call 405-7615 or e-mail to outlook@acc-mail.umd.edu.

Racism Awareness Day Aims to Stamp Out Hatred

Don't be surprised to see an array of bright yellow t-shirts with quotes about fighting hatred and black armbands as you walk around campus April 13. Thursday is Racism Awareness Day.

Racism Awareness Day (RAD) is designed to promote awareness of issues surrounding racism and oppression. A variety of activities are planned, ranging from a Tunnel of Oppression, an interactive, multimedia presentation, to a brown bag lunch with Jeff Milem discussing why race matters in higher education, to Bobby Seale, the keynote speaker addressing issues surrounding hate, racism and motivating others towards action. Annual events are also included in RAD: the State of Maryland's second annual Hate Crimes Summit, 8 a.m.-4p.m.; the sixth annual Diversity Research Forum, 12:15-3:15p.m.; and, the fourth annual Diversity Showcase, 3:30-5:30 p.m.

"RAD is important because it will provide a variety of ways for the campus to explore and understand the impact of oppression," says Chris Liang, student outreach coordinator for the Student Intercultural Learning Center (SILC) and a member of the RAD planning committee. "I applaud John Dugan and the RAD Planning Committee for bringing together different offices and services

on campus to collaborate on programming for RAD," Liang adds.

RAD also is important because it "will highlight some of the ongoing activities, including programs, classes and workshops the campus does throughout the year," says Bridget Turner, assistant coordinator of SILC.

According to RAD coordinator Dugan, the impetus for RAD at the University of Maryland came from a similar program that began two years ago at John Carroll University (JCU) in Cleveland, Ohio.

Students initiated the program in response to hate crime incidents at JCU. As a result of the strong student response at JCU, Racism Awareness Day became a four-year program with clearly defined goals and outcomes for each year as the general awareness level of the campus community increased.

When Dugan began his graduate program in College Student Personnel at the University of Maryland last fall, he asked several students to see if there was interest in developing a similar program. After seeing there was interest, Dugan formed the Racism Awareness Day planning committee and applied for

grants and funding from a variety of student organizations and campus units.

"RAD offers the campus community an opportunity to come together and acknowledge the importance of race and cultural issues. In light of recent events on campus, it has become clear we all need to challenge our thoughts, assumptions and feelings on these issues," says Dugan.

The hate incidents last fall at the university energized members of the campus community to take proactive steps to educate the community about racism and oppression. According to Dugan, the RAD planning committee defined a clear mission, motivation and direction after the hate crime incidents.

"This campus has needed something fresh and different and something very owned by students and not directed by an office. RAD will attempt to open up the campus for dialogue without directing the conversation itself. We really want to encourage people to think," says Naseema Shafi, a senior government and politics major and the student involvement coordinator of RAD.

"RAD is important for the university because it will help unite the campus for a common good," says Luis Aguilar, president of the Latino Student Union and a member of the RAD planning committee.

All members of the campus community are encouraged to attend RAD events and let others know about it. For a complete schedule of events on Racism Awareness Day (and list of sponsors) go to www.inform.umd.edu/Diversity_Initiative and click on "RAD Events" or contact John Duga at 314-1303 or jdugan@union.umd.edu.

—JAMIE FEEHERY-SIMMONS



Gardening Tips from Cooperative Extension's Home and Garden Information Center

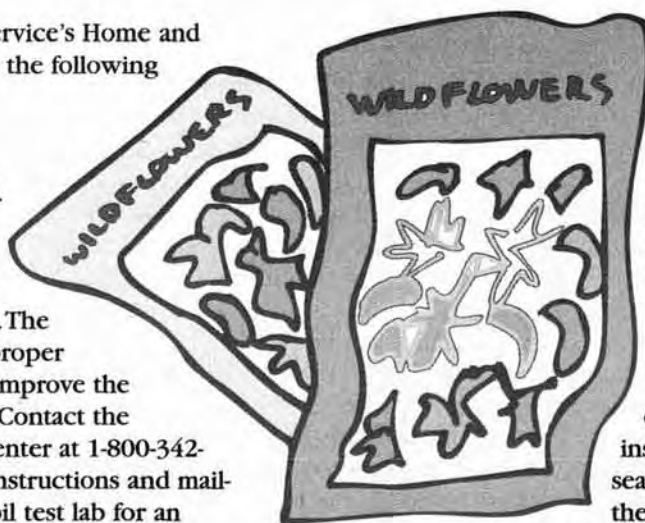
The Cooperative Extensions Service's Home and Garden Information Center offers the following helpful gardening tips:

Soil Testing Time

Test your lawn and garden soil. Soil testing is a valuable service provided by the university soil test lab for only \$5. A soil test should be done every three years. The test results will recommend the proper amounts of lime and fertilizer to improve the growth of your lawn and garden. Contact the Home and Garden Information Center at 1-800-342-2507 to obtain the sample bags, instructions and mailer. Return the filled bags to the soil test lab for an analysis.

The Very Hungry Caterpillar

Eastern tent caterpillars are here. This caterpillar is a very common pest of crabapple and cherry trees in the landscape. In many areas throughout the state they have already hatched. Look for their white silken nests in the crotches of tree branches. If ignored, they will strip the leaves from large portions of the tree. The trees usually recover just fine but the defoliation can be easily prevented at this time. Simply remove the nests from the trees and put them into the trash. Larger infestations can be sprayed with a safe biological control known as *Bacillus thuringiensis*. Contact the Home and Garden Information Center if you want a fact sheet on this pest.



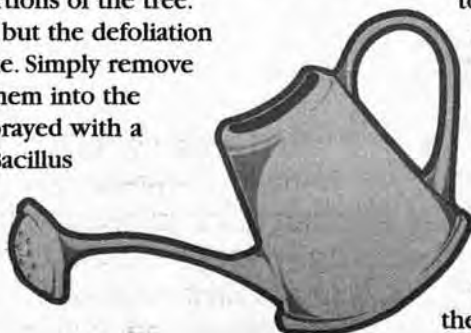
Beautify Your Beds

Clean out planting beds. Remove leaves, old plant parts and weeds from your flower and shrub beds to make them look better and reduce some types of plant diseases and insect problems for this season. Chop or shred the debris and compost

it for use later this year as a valuable soil conditioner.

Repot the Pot-Bound

Divide and repot your houseplants. Overgrown house plants with multiple crowns can be divided now because the longer, brighter days of spring will help them to recover quickly. Now is also a good time to repot pot-bound houseplants using a prepared growing media containing peat moss and perlite.



Check Seed Germination

Check germination of old seeds. Don't waste time planting old seeds without first checking their germination. Place 20 seeds on a moistened paper towel, roll up the towel and place it in a plastic bag.

Put the bag on top of the refrigerator or other warm location and check after 5-7 days to see what percentage has germinated. Discard seed lots with less than 75 percentage germination.

Aquatic Gardening

Aquatic gardening is one of most popular types of gardening today. The tranquility and beauty of water lilies and other aquatic plants can now be a part of any home landscape. Plants, fish and pond building materials are available in almost every garden center. Spring is a great time to start an aquatic garden. For more information on creating or maintaining an aquatic garden contact the Home and Garden Information Center.

For printed information or answers to your question on any gardening topic, contact the Home and Garden Information Center at 1-800-342-2507. The Web site is: www.agnr.umd.edu/users/hgic

—RAY BOSMANS
REGIONAL EXTENSION SPECIALIST



Study Attempts to Research and Improve Balance Control in Senior Citizens

In an attempt to improve balance control in senior citizens, the department of kinesiology is undergoing a study which investigates whether a sensory training program will help improve the balance of elderly people who have a history of falling. Conducted by associate professor John Jeka and Leslie Allison, a doctoral student and licensed physical therapist, the study examines



responses in elderly people who have a history of falling compared to elderly people and young adults who do not. The study uses the computerized Smart Balance Master system, which permits the progressive manipulation of surface and visual environments to challenge the senses.

Residents of Charlestown, the flagship campus in the Erickson Retirement Communities network, have volunteered to participate in the study that investigates whether training senses such as vision and touch benefits their balance control and helps prevent them from falling.

"Many seniors choose to benefit others as well as themselves through informed participation in research," says John Parrish, executive director of The Erickson Foundation, which is underwriting the study. "As soon as the opportunity to learn more about balance and how to improve it became available, many community residents volunteered."

The Erickson Foundation is a nonprofit, philanthropic organization. Its mission is to enhance the quality of life of senior citizens; expand educational opportunities for at-risk youth; and support colleges and universities in providing affordable, quality education.

Maryland Athletes Reach Out to Hundreds of At-Risk Youth



Kids took turns jumping rope during last year's National Student Athlete Day. This year 200 at-risk youth are expected to participate in tours, a luncheon, non-contact sports competitions and a chance to hear Terp athletes discuss the importance of having an education.

Approximately 200 at-risk youth will be welcomed to campus by University of Maryland athletes this Friday, for the eighth annual National Student Athlete Day. Kids from Baltimore, Charles and Prince George's counties and Baltimore City will team up with student athletes representing a variety of sports to enjoy a tour of the campus, including libraries, dorms, dining halls, Cole Field House and other notable spots.

Following the tours, the teams will gather in Ritchie Coliseum for a luncheon program. Sophomores Lonny Baxter and Juan Dixon of the men's basketball team will speak on the importance of having an education. Former Terrapin hoopsters Norman Fields, Rodney Elliott, Duane Simpkins and Laron Profit are scheduled to attend. LaMont Jordan, tailback for the football team and 2000 Heisman Trophy candidate, also will participate. Simpkins currently

is finishing his degree at the university. Profit plays for the Washington Wizards.

After lunch, non-contact sports competitions will be held in Ritchie Coliseum, followed by an awards ceremony.

"We see this program as a great opportunity to reach out and help kids who are struggling in their lives," says Donn Davis, '68, president of the Criminology Alumni Chapter. "They look up to athletes as role models, and many are hoping to play athletics in high school. We're sending the positive message that athletics and education go hand in hand and in fact both add quality to life."

The event is sponsored by the Criminology Alumni Chapter, the Department of Athletics and the Returning Athletes Program. During the past six years Student Athlete Day has expanded from hosting 30 at-risk students to 220.

Chance Encounter Tells Tail of One Comet

continued from page 1

more sensitive version of the ion composition spectrometer found on Ulysses, a spacecraft could travel through regions of the solar system picking up ions from the many invisible comet tails that probably criss-cross our solar system," Gloeckler says.

A spacecraft with a very sensitive ion composition spectrometer might be able to detect many small, as yet unknown, comets and provide orbital data that would help scientists determine if any pose a collision risk to the Earth. And new insights might be gained into the composition of comets, which scientists believe contain material unchanged since the formation of the solar system.

"Such a spacecraft could also pick up and analyze ions from materials, such as interstellar dust, that have entered the solar system from distant

regions of space," Gloeckler says. "This could provide a new way of learning about far regions of the Universe that now can only be studied through telescopes."

Ulysses, launched in 1990, is a joint venture of NASA and the European Space Agency. The spacecraft—which is managed by the Jet Propulsion Laboratory in Pasadena, California—studies the Sun from a high-latitude orbit, mostly at right angles to the plane of orbiting planets. Ulysses studies the Sun's magnetic fields, solar winds and cosmic rays near the Sun's North and South Poles, away from the equator, where Earth orbits. Ulysses has no camera, but its ten sophisticated instruments can observe phenomena not detectable by visible observations.

Gloeckler is lead author of the *Nature* paper on the ion findings, along with F.M. Ipavich, also of the University of Maryland and several others.

Dance Ensemble Presents New Works

The Maryland Dance Ensemble presents several new dance works on April 13-15, 17 and 18 at 8 p.m. in the Dorothy Madden Theater. The performances will feature a new work created for the ensemble in January by visiting New York artist Mark Haim. "Elusive," for seven dancers, is a lively, quirky exploration of attempts and failures to achieve connections. The equally quirky costumes for the piece are designed by Liz Prince and the work is set to Mexican songs by Linda Ronstadt and Cesaria Eora.

Contributions by two graduate students, Stephanie Thibeault and Ludovic Jolivet are included in the program. "Within the Chaos," for 11 dancers by Thibeault deals in sound and movement with the turmoil in urban life. Jolivet's "Roger and Lucie" is a comic/mime work, described as "...brilliant... sweetly witty and poignant" by *The Washington Post*.

Katherine Iacono's dance "...But mostly he's Irish—in love with his God," is inspired by the relationships and history of the Irish side of her family.

"No Name Woman," a duet by Jennifer Roth, is inspired by Sandra Cisneros' "The House on Mango Street," and examines women's conscious and unconscious choices.

Jennifer Katz's "Control of circumstance," expresses a search for understanding of where we are and how we go there. Monica Smothers', completes the program.

The dances were selected by a faculty panel, Meriam Rosen, Ed Tyler and Anne Warren. The program is directed by Rosen and Paul Jackson is the technical and lighting director.

Tickets are \$8 general admission and \$5 for students and seniors. For tickets and more information, call 405-7847.





NOTABLE



Harold Brodsky, associate professor in the geography department, was named the first honorary faculty member of the month (March) for the Lambda Chi Alpha Fraternity. Lambda Chi initiated the project as an outreach program to the university and its staff, to honor the classes the fraternity brothers find interesting and fulfilling.

Daniel Carafelli has been appointed director of internet and business services for the Engineering Research Center, the university's statewide program for technology transfer and economic development. He is responsible for managing a portfolio of critical web sites and for coordinating internet, e-business and supply chain management initiatives for the Engineering Research Center. He also will oversee the development of the A. James Clark School of Engineering Web site.

Prior to this promotion Carafelli was director of finance and administration for the Engineering Research Center. He will continue his oversight of financial and business matters for the center.

Carafelli brings several years of diverse business, information technology and internet experience to his new position. During his career at the University of Maryland, Carafelli led the development of numerous information technology projects including the Maryland Fire and Rescue Institute (MFRI) student information system. MFRI's comprehensive database management system houses the training records of Maryland's fire and rescue personnel.

Carafelli received degrees in both business and computer studies from University College where he also completed the graduate level certificate program in financial management. Carafelli holds the prestigious and internationally recognized certified purchasing manager (C.P.M.) designation. The C.P.M. is the world's leading supply chain management designation.

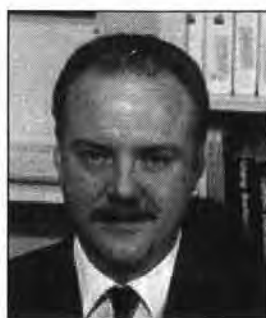
During 1999 Carafelli received the Information Technology Achievement Award from the Institute of Management Accountants and was certified in research administration by the university's Office of Research Advancement and Administration.

The Board of Regents honored **Jordan Goodman** and **Charles Wellford** last Friday

for their contributions to teaching and public service, respectively. They were two of 13 University System of Maryland (USM) faculty members honored for their contributions in one of five areas: collaborative efforts with other USM institutions, mentoring, public service, teaching or research. Each recipient was given \$1,000 and a commemorative plaque.

Goodman is professor and chair of the department of physics. Wellford is professor and chair of the department of criminology and criminal justice.

The Board of Regents established the awards in 1995 to highlight distinguished performance by University System faculty. All nominees must have been USM faculty members for at least five years.



Daniel Carafelli

Judy Olian, senior associate dean of the

Robert H. Smith School of Business and professor of management and organization, has been selected dean of the Mary Jean and Frank P. Smeal College of Business Administration at The Pennsylvania State University. Her appointment is effective July 1.

Since 1995, Olian has led the development of the Smith School's initiatives to enhance academic excellence and national rankings, and to advance partnerships and build support for the school from



Judy Olian

businesses, alumni and international constituencies. She oversees the academic, administrative and information technology strategies of the school, is closely involved in fundraising efforts, and is a central liaison with the university administration and other colleges. She joined the faculty in 1979.

Olian is currently principal investigator of a Defense Advanced Research Projects Agency (DARPA) project, "Accelerating the Diffusion of Netcentricity," a multi-year project investigating the technical, organizational, behav-



Jordan Goodman



Charles Wellford

ioral and economic aspects of the net-centric revolution, and has ongoing partnerships with such companies as Sun Microsystems, IBM, Oracle and EDS.

Olian was the founder and director of the IBM-Total Quality Project at the University of Maryland. She led an interdisciplinary team in developing the innovative and award-winning business-engineering undergraduate curriculum and research program, based on total quality concepts.

Gov. Parris Glendening has appointed **Kevin Oxendine** the new student regent to the University System of Maryland Board of Regents. Oxendine, a sophomore majoring in economics, finance, and government and politics, is a member of the University System of Maryland Student Council, the Governor's Commission on Service and Volunteerism and a founding member of the Maryland Youth Service Action Committee.

Gary Pavela, director of judicial programs and student ethical development, has been asked to serve on the Duke University Kenan Ethics Program Advisory Board.

He joins such distinguished members as Robert Coles, professor of social ethics at Harvard University; David Gergen, editor at large for *U.S. News and World*

Report; and William Raspberry, columnist for the *Washington Post*.

Established in 1995, the ethics program supports the study of teaching and ethics and promotes moral reflection and commitment in personal, professional, community and civic life. The program encourages moral inquiry across intellectual disciplines and professions and moral reflection about campus policies and procedures. It also supports efforts to address ethical questions of public concern within and across communities. The board's work is guided by the program's conviction that universities have a responsibility to prepare students for lives of personal integrity and reflective citizenship by nurturing their capacities for critical thinking, compassion, courage and their concern for justice.



Gary Pavela

Walking with Dinosaurs

Bring dinosaurs back to life (on the small screen) with a preview of the forthcoming Discovery Channel TV documentary, "Walking with Dinosaurs," Wednesday, April 12, from 7:30 to 8:30 p.m., in room 1140 Plant Sciences Building. Thomas Holtz Jr., of the geology department, is one of the stars of the show. At the April 12 event he will talk about the long association of dinosaur science and the media, dating back to the 1850s. He'll give some of the background of the series "Walking with Dinosaurs," then show some key clips from each of the main sections of the show (with some comment on what is good science and what is speculation in each).

For more information, call 405-4365 or visit the Web site www.geol.umd.edu.

Rape Aggression Defense Classes

The University of Maryland Police Department has scheduled two additional Rape Aggression Defense (RAD) Women's Self Defense Classes. The program includes a personal safety discussion, self defense techniques that are "easy to learn and easy to retain," and concludes with an optional simulated attack.

The 14-hour program, taught one night a week for four weeks, is currently offered free to faculty, staff and students. Bring your mother, daughters or sisters for \$25. Classes are limited to 20 women.

Class 100: 6-9:30 p.m., Thursdays, April 20 & 27, May 4 & 11.

Class 101: 6-9:30 p.m., Mondays, April 24, May 1, 8, & 15.

To register, call 405-3555 or visit the police department Web site at www.umpd.umd.edu.

for your interest

events • lectures • seminars • awards • etc.

Just for Laughs

The Art Gilner Center for Humor Studies presents a Women's Humor Conference Thursday, April 13 throughout the day and evening. The conference features talks like "Lolita Meets Betty Crocker: Humor and Womens Magazines" and "Too Much of a Good Thing is Wonderful: The Humor of Excess." The lectures take place 9:30 a.m. to noon and 2-3 p.m. at 2111 Stamp Student Union.

Starting at 3:30 p.m. in the Nyumburu Cultural Center several performances will take place, including "An Evening with Moms Mabley" by Charisma and "Samantha 'Rastles' the Woman Question" by Jane Curry.

For more information, call Donald Snyder at 405-7621 or e-mail to djkay@wam.umd.edu.

Black Faculty and Staff Conference June 14-16

The university community is invited to attend the 13th Annual Black Faculty and Staff Conference, June 14-16 at the Greenbelt Marriott. The theme of this year's conference is "Leadership: Promoting Excellence, Equity, Diversity and Civility in Higher Education."

The three-day national conference registration fee for university employees is \$195 and \$295 for off-campus participants. The fee includes the cost for the awards banquet.

For more information, or to register for the conference, visit the Web site at www.umd.edu/bfsaconference.

For more information, call Roberta Coates, registration chair at 314-8481.

Preventing Hate and Bias

"Preventing Violence and Promoting Respect," is the subject of a live, interactive teleconference taking place Friday, April 14, from 11:30 a.m. to 3:30 p.m., in room 0106 of Francis Scott Key Hall. Admission is free and refreshments will be served.

The teleconference is being conducted by the Harvard School of Public Health, Violence Prevention Program Education Development Center and Prevention Institute, Inc. Preceding the teleconference, Henry Westray Jr., of the Maryland Department of Health and Mental Hygiene, will facilitate a panel discussion on the issues of hate and bias with local experts on these subjects.

Pre-registration for the event is required by telephone at 877-778-4774 or internet at www.walcoff.com/partnerships.

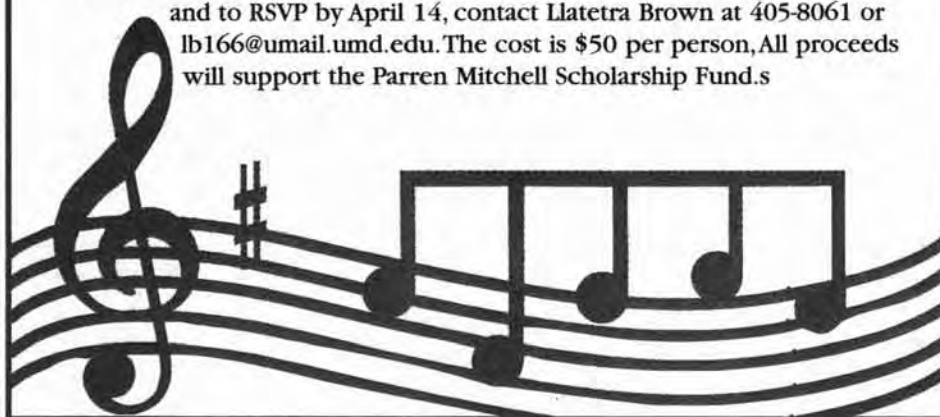
Third Generation Wireless PCS Systems Short Course

The university's master's program in telecommunications is sponsoring a special short course this spring, titled "Third Generation Wireless PCS Systems." Offered May 8-9, from 9 a.m. to 5 p.m., at University College Inn and Conference Center, this course will be taught by Kamran Etemad,

Alumni Jazz Brunch Cruise

Join Maryland alumni and friends Sunday, May 21, as they set sail on the Odyssey and cruise the Potomac on a jazz brunch cruise, from 10:30 a.m.-1:30 p.m., 600 Water Street, S.W., in Washington, D.C.

The event is sponsored by the Black Alumni Club. For more information and to RSVP by April 14, contact Llatetra Brown at 405-8061 or lb166@umail.umd.edu. The cost is \$50 per person. All proceeds will support the Parren Mitchell Scholarship Fund.



part-time instructor and director of Technology, Wireless Facilities, Inc.

Participants will be provided with an in-depth understanding of the major requirements, system features and concepts considered in the design of 3G systems. The course also will introduce them to the basic channelization and protocols structure of the major 3G standards: EDGE, W-CDMA and CDMA2000.

While the course is open to all interested participants, a familiarity with basic communications systems is recommended. For more information, see www.ece.umd.edu/ents/short_courses.html, or contact the Office of Extended and Continuing Education, at cm211@umail.umd.edu, 403-2972, or at 800-711-UMCP (8267).

Dancing into the Millennium

The dance department announces "Moving into the Millennium," a dance concert to benefit Creative Dance Lab, Sunday, April 16 at 4 p.m., in the Dorothy Madden Theater in the Dance Building located in parking lot V-1. The concert features modern dance choreography and improvisation by Creative Dance Lab students and faculty, as well as guest artists Kinetics Dance Theatre and Quicksilver, a dance company com-

posed of senior citizens and directed by Nancy Havlik. The concert will be fun for the whole family, young and old.

There will be no advance ticket sales. A donation is requested at the door: \$5 adults; \$3 under 12. For more information, email: DanceLab1@aol.com or call 405-7039.

Pepsi Enhancement Fund

Proposals for funding for programs, events or initiatives from the Pepsi Enhancement Fund for Fall 2000 are currently being solicited. Funding proposals are due on April 20 to Marsha Guenzler-Stevens at 1135 Stamp Student Union or via e-mail at mguenzle@union.umd.edu. Proposals are welcomed from student organizations, departments, colleges and other university agencies.

Schweitzer at 405-1850 or kschwei@wam.umd.edu.

Deer on Campus

Deer are running from the wooded area near the Chesapeake Building; more specifically near the curved road off of 193 & Azalea Lane. There's an S-shaped curve with woods on both sides just before the turn for the Chesapeake Bldg.

All drivers in this part of the campus are urged to be alert to the situation to prevent a serious accident.

Classroom Design for Technology Integration

Technology, the Internet and the Americans with Disabilities Act all have an impact on classroom design. Get the information you need about the newest approaches to classroom design and hear from the designers themselves at a free satellite video-conference, "Designing Classrooms for Technology Integration and Accessibility," Thursday, April 13, from noon to 2 p.m. in room 4205 Hornbake Library. No fee or pre-registration is required to attend.

For further information, see: www.unt.edu/ccumc/videoconference/infoframe.htm or contact Allan Rough at ar21@umail.umd.edu

Standing Committee Volunteers

The College Park Senate is soliciting volunteers for 2000-2001 Senate standing committee service. Terms on standing committees are two years for faculty and staff, one year for students.

Information on each of the committees can be found on the web at: www.inform.umd.edu/Senate/documents/govern/bylaws/article6/. Application forms may be obtained by calling the Senate Office at 405-5805 or may be submitted on-line at: www.inform.umd.edu/Senate/CampusCrier/campwidecommpref.html.

For best consideration, application forms should be received by the Senate Office (1100 Marie Mount Hall) no later than Wednesday, April 12.

Distance Education Consortium

The Office of Continuing and Extended Education and the College of Agriculture and Natural Resources are hosting a live, national videoconference on administrative issues impacting the full-scale implementation of distance education Thursday, April 13, from 1 to 2:30 p.m. in room 4400 Computer and Space Sciences Building. Case studies from four universities will be presented. The local discussion will include an update on the University of Maryland distributed learning initiatives, policies and strategies.

A complimentary lunch precedes the videoconference at noon. To reserve a space, contact Rosemary Blunck at 405-6534 or rblunck@deans.umd.edu.

Seminar on the Taiwan Elections

The Institute for Global Chinese Affairs presents a seminar, "The Taiwan Elections and Their Implications for U.S.-Taiwan Relations," Thursday, April 13, from 3 to 5 p.m., in room 0105 St. Mary's Hall. Lyushun Shen, deputy director, TECRO, will present welcoming remarks. Other speakers include Ambassador Nat Bellocchi, Bellocchi and Co., Inc.; Norman Fu, *China Times*; and Alexander Huang, CSIS. Linjun Wu, visiting scholar and Shu Guang Zhang, history, all of University of Maryland. Reserve your space by contacting Rebecca McGinnis at 405-0213; fax: 405-0219 or e-mail: rm165@umail.umd.edu.

Her Voice, Her Journey

Dancer and choreographer Nillima Devi performs "Her Voice, Her Journey" April 11 at 8 p.m. in Ulrich Recital Hall. The free performance celebrates the feminine with classical and innovative choreography. Devi imbues the rich Indian classical tradition of Kuchipudi with contemporary relevance; fusing the age-old vigor of beat and line with new interpretations of ancient myths.

For more information, contact Ken